

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-B- 972

Date:- 16-06-2023

NAME OF SITE

GRAM PANCHAYAT- Janu Nagar

BLOCK- Milak

DISTT- Rampur

NAME OF AGENCY

M/s NKG Infrastructure Limited
Delhi



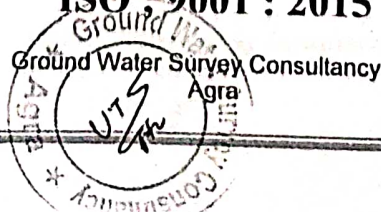
GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JANU NAGAR, BLOCK- MILAK, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

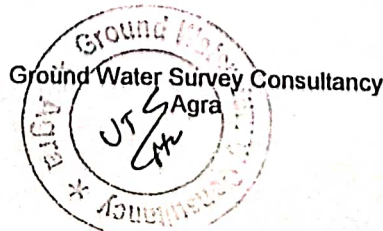
Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/s NKG Infrastructure Limited, Delhi.

On the request of M/s NKG Infrastructure Limited, Delhi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.June.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

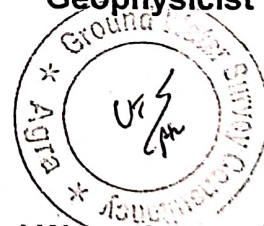
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 20	10	Fine sand	
4.	20 - 23	3	Clay kankar	
5.	23 - 32	9	Fine to Medium sand	Good
6.	32 - 40	8	Clay kankar	
7.	40 - 55	15	Medium sand	Good
8.	55 - 60	5	Clay kankar	
9.	60 - 87*	27	Medium sand	Good
10.	87 - 93	6	Clay kankar	
11.	93 - 104*	11	Medium sand	Good
12.	104 - 110	6	Clay kankar	
13.	110 - 120*	10	Medium sand	Good
14.	120 - 135	15	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

R10 a

N16(SN)
N64(LN)
LAT

Logging Details:
SPT No. 14
M. No. 14
US Occ No. 14
14.0000
1000
1000

Logger Site:
IGIS/S/02/23-24

SP (m V)

DMPL-2

Ground Water
Survey Consultancy
Agra UP India

